

Table 6: Factors associated with sanitary pad use during menstruation, Northeast Ethiopia, 2013 (n=455)

Variables		Disposable sanitary pad use		Crude Odds ratio (95% C.I.)	Adjusted Odds Ratio (95% C.I.)
		No n (%)	Yes n (%)		
School	Mersa	56 (53.80)	48 (46.20)	1.00	1.00
	Sirinka	42 (65.60)	22 (34.40)	0.61 (0.32 - 1.16)	2.30 (0.99 - 5.32)
	Kokono	27 (77.10)	8 (22.90)	0.35 (0.14 - 0.83)*	0.88 (0.28 - 2.76)
	Merto	48 (72.70)	18 (27.30)	0.44 (0.23 - 0.85)*	0.83 (0.36 - 1.96)
	Sirinka Gerado	30 (73.20)	11 (26.80)	0.43 (0.19 - 0.94)*	1.82 (0.65 - 5.08)
	Mehal Amba	31 (77.50)	9 (22.50)	0.34 (0.15 - 0.78)*	0.95 (0.34 - 2.65)
	Melka Chefe	60 (57.10)	45 (42.90)	0.88 (0.51 - 1.51)	0.91 (0.48 - 1.72)
Residence	Rural	178 (76.40)	55 (23.60)	1.00	1.00
	Urban	116 (52.30)	106 (47.70)	2.96 (1.98 - 4.42)***	2.32 (1.21 - 4.45)*
Live With	Both parents	206 (60.60)	134 (39.40)	1.00	1.00
	Mother only	45 (71.40)	18 (28.60)	0.62 (0.34 - 1.12)	0.52 (0.26 - 1.03)
	Father only	9 (81.80)	2 (18.20)	0.34 (0.07 - 1.61)	0.89 (0.16 - 4.82)
	Relatives	32 (91.40)	3 (8.60)	0.14 (0.04 - 0.48)**	0.16 (0.04 - 0.56)**
	Husband	2 (33.30)	4 (66.70)	3.08 (0.56 - 17.02)	4.71 (0.66 - 33.63)
Mother's Education	Illiterate	159 (81.50)	36 (18.50)	1.00	1.00
	Read & write	82 (60.70)	53 (39.30)	2.85 (1.73 - 4.71)***	2.30 (1.23 - 4.30)**
	Primary	30 (44.80)	37 (55.20)	5.45 (2.98 - 9.95)***	4.13 (1.85 - 9.18)**
	Secondary and above	23 (39.70)	35 (60.30)	6.72 (3.55 - 12.73)***	4.26 (1.61 - 11.28)**
Father's Education	Illiterate	94 (76.40)	29 (23.60)	1.00	1.00
	Read & write	101 (68.20)	47 (31.80)	1.51 (0.88 - 2.59)	0.58 (0.29 - 1.15)
	Primary	49 (59.00)	34 (41.00)	2.25 (1.23 - 4.11)**	0.71 (0.32 - 1.59)
	Secondary and above	50 (49.50)	51 (50.50)	3.31 (1.87 - 5.85)***	0.71 (0.27 - 1.91)
Mother's Occupation	House wife	193 (69.20)	86 (30.80)	1.00	1.00
	Petty trader	79 (59.80)	53 (40.20)	1.51 (0.98 - 2.32)	0.94 (0.53 - 1.65)
	Employed ^{†††}	13 (37.10)	22 (62.90)	3.80 (1.83 - 7.89)***	1.97 (0.73 - 5.28)
	Others [†]	9 (100.00)	0.00	0.00	0.00
Father's Occupation	Farmer	206 (71.50)	82 (28.50)	1.00	1.00
	Petty trader	35 (48.60)	37 (51.40)	2.66 (1.57 - 4.50)***	1.21 (0.57 - 2.55)
	Employed	48 (53.30)	42 (46.70)	2.20 (1.35 - 3.58) **	0.61 (0.25 - 1.50)
	Others ^{††}	5 (100.00)	0.00	0.00	0.00
Monthly Expenditure (Eth Birr)	<=300	90 (80.40)	22 (19.60)	1.00	1.00
	301-600	97 (77.60)	28 (22.40)	1.18 (0.63 - 2.21)	1.12 (0.55 - 2.28)
	601-900	40 (51.30)	38 (48.70)	3.89 (2.04 - 7.40)***	3.24 (1.46 - 7.17)**
	901-1200	38 (50.70)	37 (49.30)	3.98 (2.08 - 7.63)***	3.41 (1.56 - 7.43)**
	>1200	29 (44.60)	36 (55.40)	5.08 (2.58 - 9.98)***	4.97 (2.21 - 11.16)***

Significant at *p-value < 0.05, **p-value < 0.01, and *p-value < 0.001**

[†] (farmer, daily laborer), ^{††} (carpenter, barber, daily laborer), ^{†††} (government and private)